

Appl. No. 09/086,821
Arndt, dated August 4, 2005
Reply to Office action of May 20, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A method for distributing browser web page requests among two or more web servers, comprising:

monitoring the web servers, each web server being a computer program running within a host computer, the monitoring performed to determine if a predetermined condition exists at one or more of the web servers; and

if the predetermined condition does exist at one of the web servers, redirecting by that web server at least one browser request from that web server to another one of the web servers such that the browser requests the web page from the another one of the web servers, regardless of the availability of a separate interceptor process for redirecting requests; and

automatically restarting that web server upon detection of the predetermined condition in order to clear the predetermined condition, the restarting initiated by an agent in the host computer.

Claims 2-5 (Canceled)

6. (Original): The method of claim 1 wherein the monitoring step comprises monitoring the system load of the host running the web server.

7. (Original): The method of claim 6 wherein the predetermined condition comprises a CPU utilization greater than a predetermined value.

8. (Original): The method of claim 6 wherein the predetermined condition comprises a memory utilization greater than a predetermined value.

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9. (Previously Presented): The method of claim 1 wherein the redirecting step comprises redirecting only if the request is for one of a predetermined set of web pages.
10. (Original): The method of claim 9 wherein the predetermined set is predetermined by a list of web pages included in the set.
11. (Original): The method of claim 9 wherein the predetermined set is predetermined by a list of web pages excluded from the set.
12. (Previously Presented): The method of claim 1 wherein the redirecting step comprises redirecting only if the request is for a web page that does not have state.
13. (Currently Amended): The method of claim 12 wherein the transferring step comprises: determining whether the web page is included in a list of web pages that have state; transferring only if the web page is not included in the list.
14. (Original): The method of claim 1 wherein the monitoring step comprises monitoring the web servers to determine if the predetermined condition exists and wherein the predetermined condition comprises a failure.
15. (Previously Presented): A system for distributing browser requests for web pages, comprising:
 - a manager for monitoring web servers to determine if a predetermined condition exists at one or more of the web servers; and
 - a web server, the web server being a computer program running within a host computer, the web server being capable of redirecting at least one browser request from the web server to another of the web servers, such that the browser requests the web page from the another one of the web servers, if the predetermined condition does exist at one or more of the web servers, regardless of the availability of a separate interceptor process for redirecting requests; and

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an agent within the host, the agent being in communication with the manager, wherein if the web server fails, the agent restarts the web server in order to clear the predetermined condition.

16. (Original): The system of claim 15 wherein the web server is capable of transferring only if the request is for one of a predetermined set of web pages.

Claims 17-19 (Canceled)

20. (Previously Presented): A method for distributing browser web page requests among two or more web servers, comprising;

periodically monitoring a web server load metric of a web server, the web server being a computer program running within a host computer; and

redirecting by a first web server a browser request from the first web server to another web server, such that the browser requests the web page from the another one of the web servers, thereby balancing the load metric on each web server, regardless of the availability of a separate interceptor process for redirecting requests; and

automatically restarting the first web server, the restarting initiated by an agent in the host computer.

Claims 21-24 (Canceled)

25. (Previously Presented): The method of claim 20 wherein the step of redirecting is initiated by an agent running on the same host as the web server and in communication with a web server interface, wherein the agent instructs the web server interface to cause the web server to redirect the request.

26. (Previously Presented): A method for distributing browser web page requests among two or more web servers, comprising;

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monitoring, by a central manager, the web servers to determine if a predetermined condition exists at one or more of the web servers, each web server being a computer program running within a host computer; and

if the predetermined condition does exist at one of the web servers, redirecting by that web server at least one browser request from that web server to another one of the web servers such that the browser requests the web page from the another one of the web servers, wherein the redirection is initiated by an agent running on a same host as the web server, the agent in communication with a web server interface and the central manager, wherein the web server interface provides an interface between the web server and the agent, and the web server interface causes that web server to redirect web page requests regardless of the availability of a separate interceptor process for redirecting requests, and automatically restarting the one web server upon detection of the predetermined condition in order to clear the predetermined condition, the restarting initiated by an agent in the host computer.

27. (Currently Amended): A method for distributing browser web page requests among two or more web servers, comprising:

monitoring the web page request queue length of the web servers to determine if a predetermined condition exists at one or more of the web servers, each web server being a computer program running within a host computer, the monitoring performed; and

if the predetermined condition does exist at one of the web servers, redirecting by that web server at least one browser request from that web server to another one of the web servers such that the browser requests the web page from the another one of the web servers, regardless of the availability of a separate interceptor process for redirecting requests; and

automatically restarting the one web server upon detection of the predetermined condition in order to clear the predetermined condition, the restarting initiated by an agent in the host computer.

28. (Previously Presented): The method of claim 27 wherein the predetermined condition comprises a web page request queue length greater than a predetermined value.

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29. (Currently Amended): A method for distributing browser web page requests among two or more web servers, comprising:

monitoring the web page request queue delay of the web servers to determine if a predetermined condition exists at one or more of the web servers, each web server being a computer program running within a host computer, the monitoring performed; and

if the predetermined condition does exist at one of the web servers, redirecting by that web server at least one browser request from that web server to another one of the web servers such that the browser requests the web page from the another one of the web servers, regardless of the availability of a separate interceptor process for redirecting requests; and

automatically restarting the one web server upon detection of the predetermined condition in order to clear the predetermined condition, the restarting initiated by an agent in the same host computer at the one web server.

30. (Previously Presented): The method of claim 29 wherein the predetermined condition comprises a web page request queue delay greater than a predetermined value.

31. (Currently Amended): A system for distributing browser requests for web pages, comprising:

a central manager for monitoring web servers to determine if a predetermined condition exists at one or more of the web servers, each web server being a computer program running within a host computer, the monitoring performed;

a web server capable of redirecting at least one browser request from the web server to another of the web servers, such that the browser requests the web page from the another one of the web servers, if the predetermined condition does exist at one or more of the web servers, regardless of the availability of a separate interceptor process for redirecting requests; and

an agent within the same host as the web server, the agent being in communication with the central manager, wherein if the web server fails, the agent restarts the web server in order to clear the predetermined condition.

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32. (Previously Presented): The system of claim 31 wherein the predetermined condition comprises a web page queue length greater than a predetermined value.

33. (Previously Presented): The system of claim 31 wherein the predetermined condition comprises a web page queue delay greater than a predetermined value.